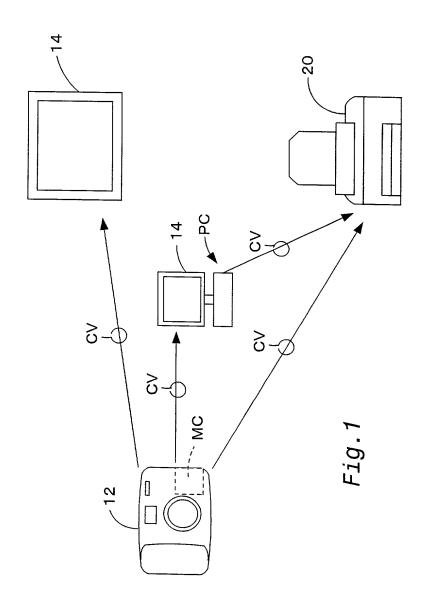
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DOCKET #211553US2
INV: Naoki KUWATA et al.
SHEET 1\_ OF\_10\_



OBLON SPIVAK ET AL. DOCKET #211553US2 INV: Naoki KUWATA et al. SHEET 2\_OF\_10\_

Fig.2

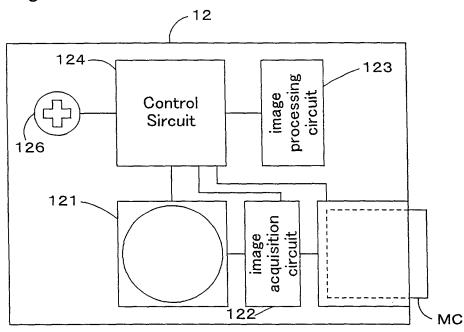
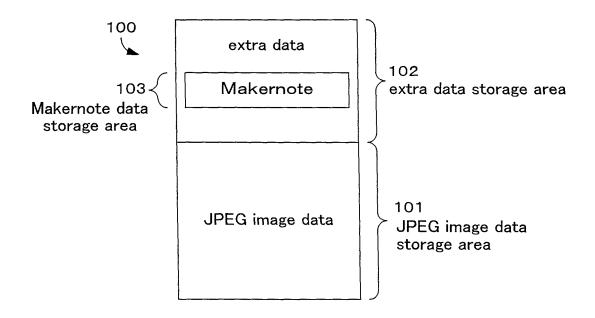
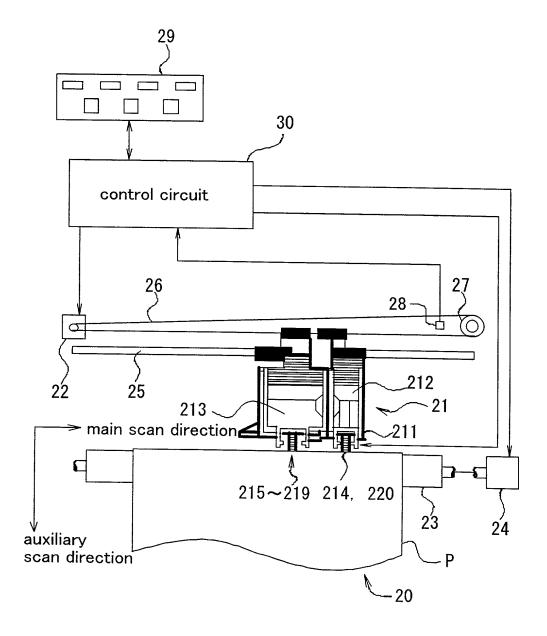


Fig.3



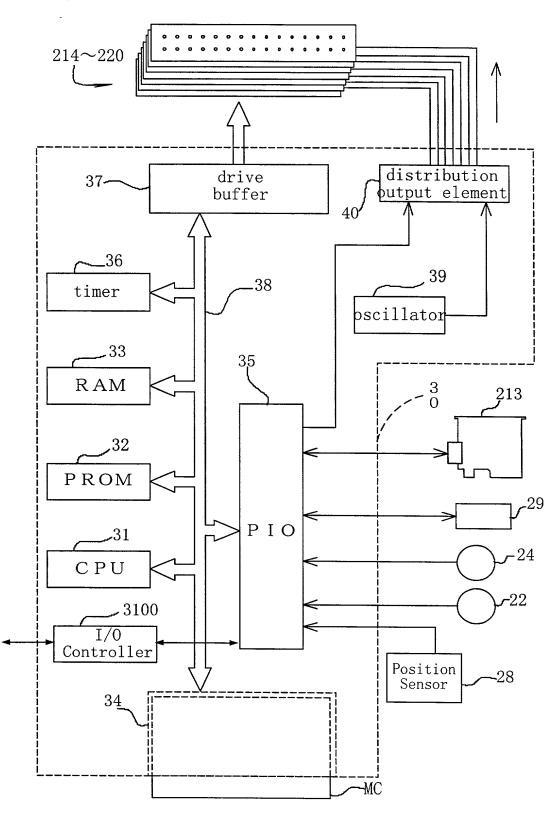
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Fig.4



OBLON SPIVAK ET AL.
DOCKET #211553US2
INV: Naoki KUWATA et al.
SHEET 4\_ OF\_10\_

Fig.5



OBLON SPIVAK ET AL.
DOCKET #211553US2
INV: Naoki KUWATA et al.
SHEET 5\_ OF\_10\_

Fig.6

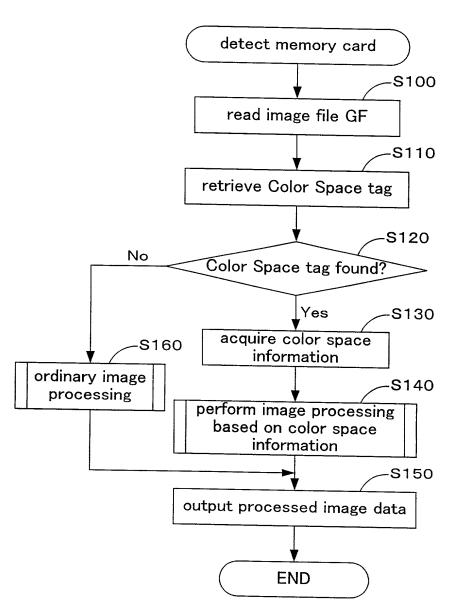
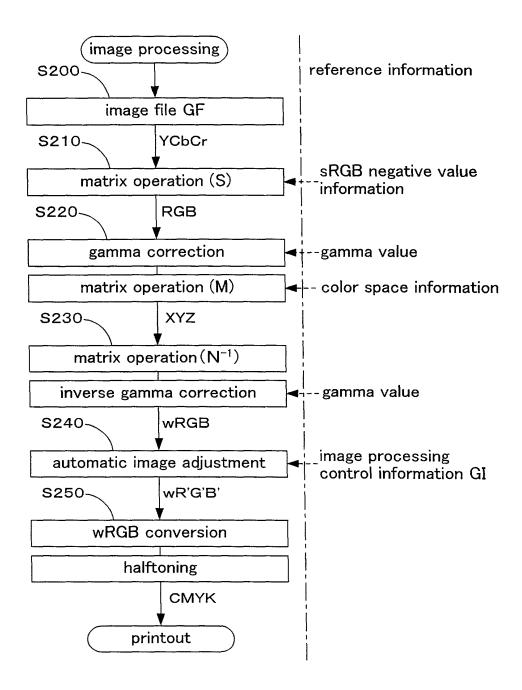


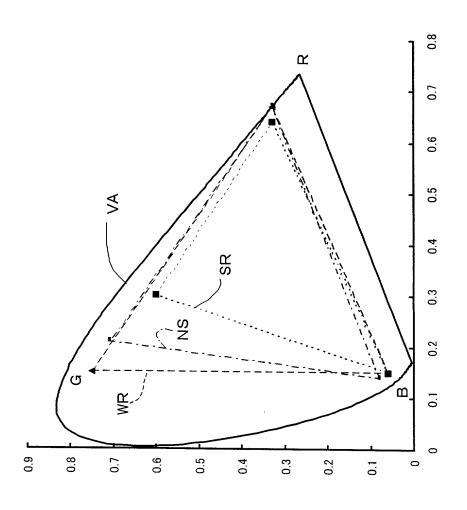
Fig.7



414.5

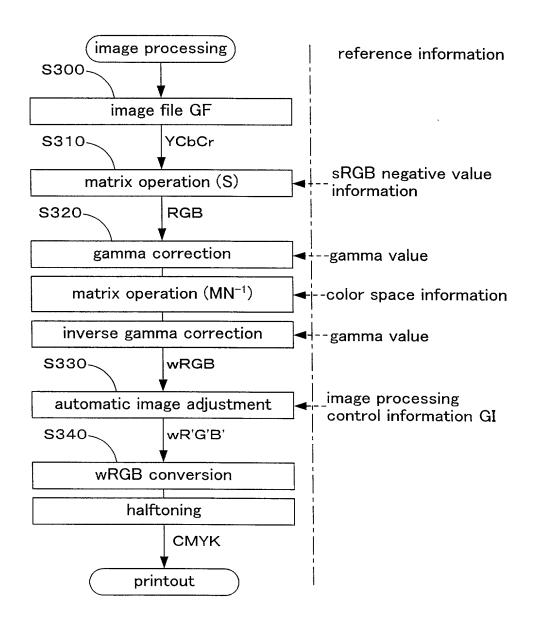
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Fig.8



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Fig.9



OBLON SPIVAK ET AL.
DOCKET #211553US2
INV: Naoki KUWATA et al.
SHEET 9 OF 10

Fig. 10

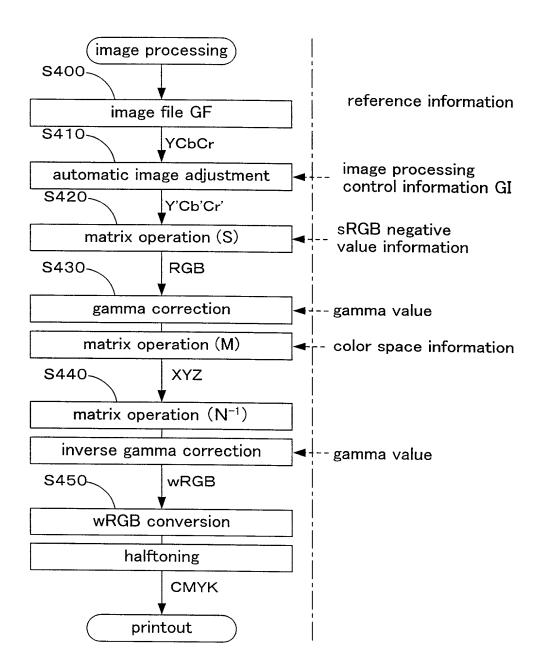


Figure 11

$$\begin{pmatrix} R \\ G \\ B \end{pmatrix} = S \begin{pmatrix} Y \\ Cb - 128 \\ Cr - 128 \end{pmatrix}$$

$$S = \begin{pmatrix} 1 & 0 & 1.40200 \\ 1 & -0.34414 & -0.71414 \\ 1 & 1.77200 & 0 \end{pmatrix}$$

Figure 12

$$\begin{pmatrix} X \\ Y \\ Z \end{pmatrix} = \mathbf{M} \begin{pmatrix} Rt' \\ Gt' \\ Bt' \end{pmatrix} \qquad \mathbf{M} = \begin{pmatrix} 0.6067 & 0.1736 & 0.2001 \\ 0.2988 & 0.5868 & 0.1144 \\ 0 & 0.0661 & 1.1150 \end{pmatrix}$$

 $Rt,Gt,Bt \ge 0$ 

$$Rt' = \left(\frac{Rt}{255}\right)^{\gamma} \qquad Gt' = \left(\frac{Gt}{255}\right)^{\gamma} \qquad Bt' = \left(\frac{Bt}{255}\right)^{\gamma}$$

 $Rt,Gt,Bt \angle 0$ 

$$Rt' = -\left(\frac{-Rt}{255}\right)^{3} \qquad Gt' = -\left(\frac{-Gt}{255}\right)^{3} \qquad Bt' = -\left(\frac{-Bt}{255}\right)^{3}$$

Figure 13

$$\begin{pmatrix} Re \\ Ge \\ Be \end{pmatrix} = N^{-1} \begin{pmatrix} X \\ Y \\ Z \end{pmatrix}$$

$$N^{-1} = \begin{pmatrix} 3.30572 & -1.77561 & 0.73649 \\ -1.04911 & 2.1694 & -1.4797 \\ 0.0658289 & -0.241078 & 1.24898 \end{pmatrix}$$

$$Re' = \left(\frac{Re}{255}\right)^{1/p'}$$
  $Ge' = \left(\frac{Ge}{255}\right)^{1/p'}$   $Be' = \left(\frac{Be}{255}\right)^{1/p'}$